

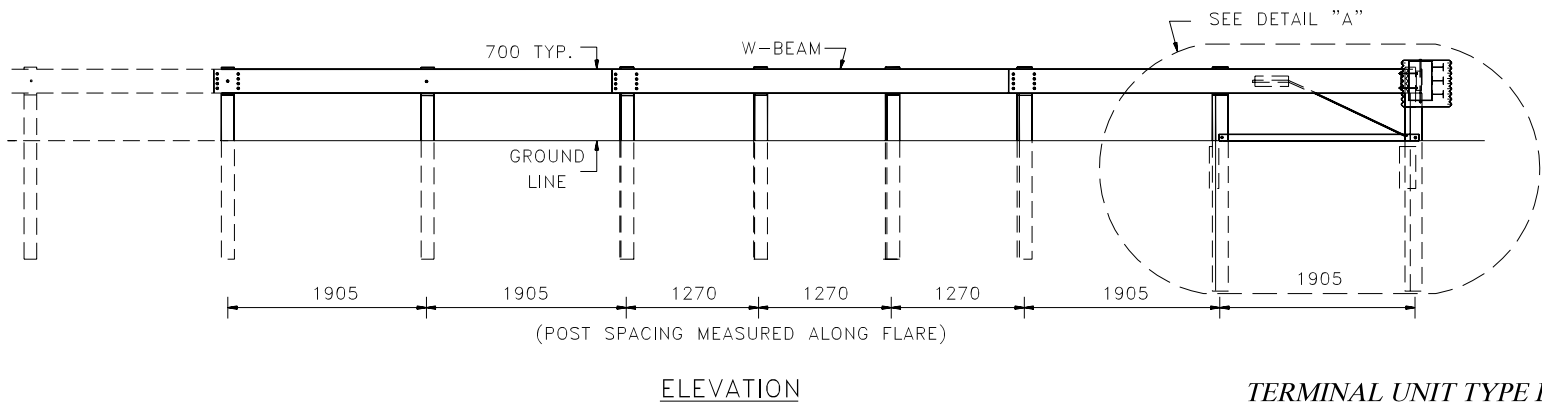
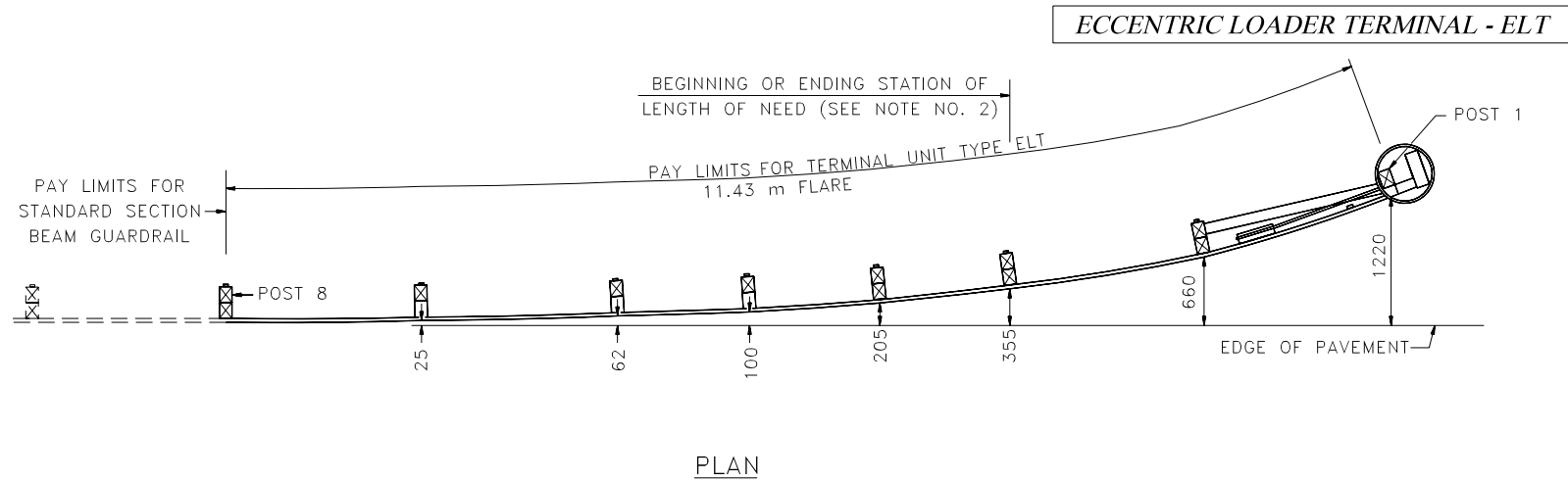
REVISION DATE
7-13-01

\*.DGN FILE NAME  
GR-3A

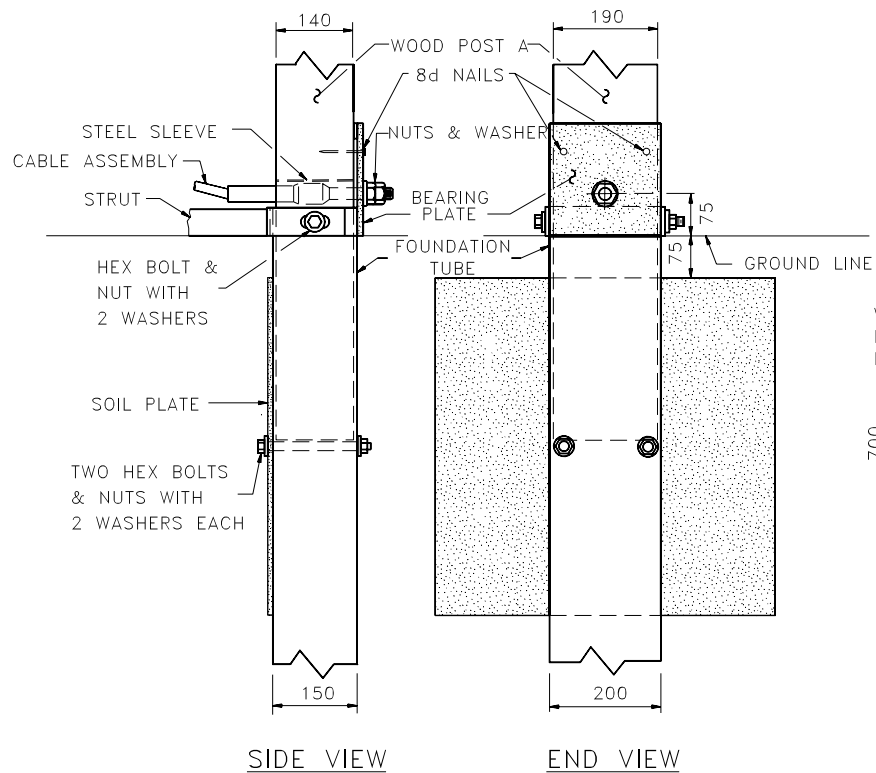
STANDARD PLANS

METRIC

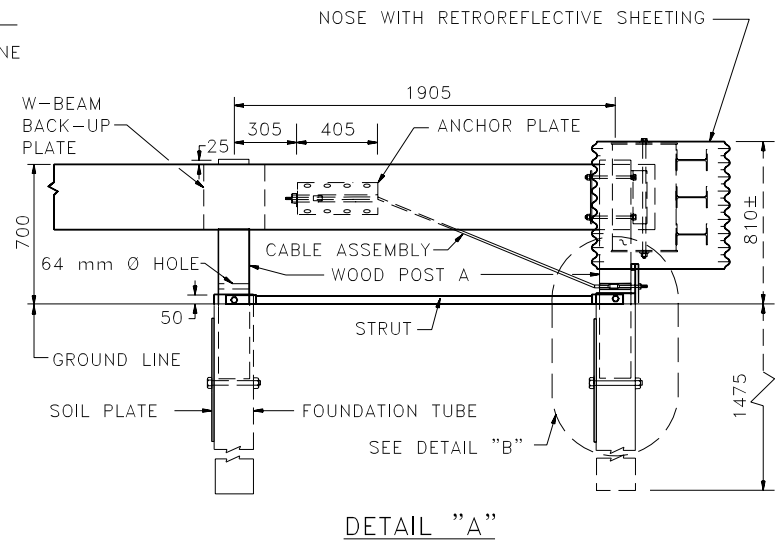
STATE OF NEW HAMPSHIRE  
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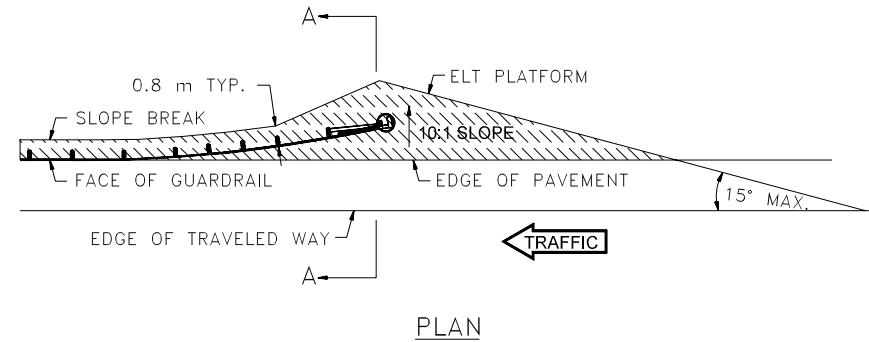
LAYOUT DETAILS



DETAIL "B"



BREAKAWAY NOSE SECTION



SECTION A-A

GRADING DETAILS

GENERAL NOTES

1. THE CORRECT ASSEMBLY AND INSTALLATION OF THIS TERMINAL UNIT, INCLUDING THE LAYOUT OF THE 11.43 m FLARE, IS IMPORTANT TO ITS PROPER PERFORMANCE
2. THE LENGTH OF NEED IS THE TOTAL LENGTH OF A LONGITUDINAL BARRIER NEEDED TO SHIELD AN AREA OF CONCERN. TO DETERMINE THE LENGTH OF NEED, REFER TO THE *ROADSIDE DESIGN GUIDE* - AASHTO, 1996.
3. THE AREA OUTSIDE AND DOWNSTREAM OF THE FIRST 3810 mm (BREAKAWAY NOSE SECTION) OF THE ELT SHOULD BE REASONABLY TRAVERSABLE AND FREE OF FIXED-OBJECT HAZARDS TO THE EXTENT PRACTICAL. IF A CLEAR RUNOUT IS NOT ATTAINABLE, THIS AREA SHOULD AT LEAST BE SIMILAR IN CHARACTER TO UPSTREAM, UNSHIELDED ROADSIDE AREAS.
4. SEE STANDARDS NO. GR-3B & GR-3C FOR ELT HARDWARE DETAILS. SEE STANDARD NO. GR-1 FOR ADDITIONAL DETAILS OF COMMON HARDWARE.
5. THIS TERMINAL SHALL BE INSTALLED USING THREE 3810 mm LONG STRAIGHT SECTIONS OF W-BEAM RAIL THAT ARE FORCED AGAINST THE POSTS. SHOP-CURVED SECTIONS SHALL NOT BE USED. (THE SECOND SENTENCE OF 606.2.4.2 DOES NOT APPLY.)

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

**GUARDRAIL STANDARD**

**BEAM GUARDRAIL  
TERMINAL UNIT TYPE ELT**

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